

BOBBY JINDAL
GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080002
Agency Interest No. 9878

Mr. Don Sparaco Jr.
General Manager
501 Avenue U
Bogalusa, LA 70427

RE: Part 70 Operating Permit, Temple-Inland - Bogalusa Box Plant
TIN Inc dba Temple-Inland, Bogalusa, Washington Parish, Louisiana

Dear Mr. Sparaco Jr.:

This is to inform you that the permit renewal for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ____ of _____, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 2465-V5
Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:tbt
c: EPA Region VI

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Bogalusa Box Plant
Agency Interest No.: 9878
TIN Inc., dba Temple-Inland
Bogalusa, Washington Parish, Louisiana

I. Background

TIN Inc., dba Temple-Inland's Bogalusa Box Plant began operation prior to 1969. The Box Plant was physically relocated from its former location on the western side of Temple-Inland property to its current location in early 1998. The Bogalusa Box Plant, the Chemical Plant, and the Kraft Pulp and Paper Mill are contiguous facilities under common ownership and control. They are considered a major source under Part 70 regulations. Gaylord Container Corporation started the Bogalusa Box Plant. Ownership of the plant was transferred to Inland Paperboard and Packaging in 2002. Inland changed its name to TIN Inc., dba Temple-Inland effective January 3, 2005. Bogalusa Box Plant currently operates under Permit No. 2465-V4 issued on January 17, 2007.

This is the Part 70 operating permit renewal for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by TIN Inc., dba Temple-Inland on August 25, 2008, requesting a Part 70 operating permit renewal.

III. Description

Temple-Inland operates the Bogalusa Box Plant in Bogalusa, Washington Parish, Louisiana. The plant consists of one boiler, one corrugator, a solid fiber line, and several machine centers for final conversion of sheet stock into finished products. Emissions from the corrugator coatings, inks, laminates, paster coatings, and glue laps are vented through the roof. Other emission points include a starch silo cartridge, scrap cyclones, and space heaters.

Temple-Inland manufactures printed and non-printed corrugated and solid fiber sheet stock. The production process involves forming, cutting, and printing operations.

Corrugated paperboard is formed and prepared for printing using a corrugator. A boiler (EPN 70) is operated in conjunction with the corrugator to produce steam. The steam generated by the boiler system is used to heat the adhesive and the rollers associated with the corrugator. The corrugator directs three separate lines of paper, positioned one above the other, through a series of heated rollers. The three lines are combined and joined together with an adhesive applied to the inner surface of the top and bottom lines. The layers form the corrugated sheet stock.

The uncut, unassembled corrugated sheet stock is directed to a combination of rotary die cutters and flexographic printing presses to be cut and printed. A variety of water-reducible colored

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Bogalusa Box Plant
Agency Interest No.: 9878
TIN Inc., dba Temple-Inland
Bogalusa, Washington Parish, Louisiana

inks are used by the converting equipment. The colored inks are applied to the surface of the corrugated sheet stock in specific patterns to produce the desired images. The emissions generated by the various machine centers are vented through the roof vents (EPN 74).

Solid fiber paperboard is formed and cut with limited printing capabilities on the paster. The paster laminates from two to four plies of paper, positioned one above the other, through a series of combiner rollers. The paper plies are combined and joined together with an adhesive applied to the inner surface of the top and bottom lines. The layers form the solid fiber sheet stock. Two cyclones (EPNs 72 and 73) serve as exit for the pneumatic conveyance air on waste handling/collection system for the trim, punch outs, etc.

Starch is stored in a silo located outside to the northeast of the production building. Other raw materials are stored in various locations at the facility. A box plant starch silo cartridge (EPN 75) serves as a material collector to collect material from the pneumatic filling of the starch silo. Waste oil is accumulated outside to the north of the production building, and pails containing residual amounts of ink are either accumulated near the flexographic printing presses in the production building or outside to the south of the production building.

The facility is also equipped with space heaters (EPN 76).

The modification granted January 17, 2007, authorized the facility to replace and transfer equipment into and out of the facility to meet varied product demand. The types of equipment requiring frequent transfers/replacements include laminators, gluers, die-cutters, etc. All these types of equipment are currently collectively permitted under Emission Point No. 74 (Miscellaneous Roof Vents) and result in negligible changes in emissions.

There are no modifications associated with this renewal.

Estimated emissions in tons per year are as follows:

| <u>Pollutant</u> | <u>Before</u> | <u>After</u> | <u>Change</u> |
|------------------|---------------|--------------|---------------|
| PM ₁₀ | 25.10 | 25.10 | - |
| SO ₂ | 0.16 | 0.16 | - |
| NO _x | 7.83 | 7.83 | - |
| CO | 21.48 | 21.48 | - |
| VOC | 56.60 | 56.60 | - |

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Bogalusa Box Plant
Agency Interest No.: 9878
TIN Inc., dba Temple-Inland
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VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

| Pollutant | Before | After | Change |
|---------------------|--------|-------|--------|
| Acetaldehyde | 0.34 | 0.34 | - |
| Acrylic Acid | 0.02 | 0.02 | - |
| Ethyl Acrylate | 0.01 | 0.01 | - |
| Formaldehyde | 0.93 | 0.93 | - |
| Glycol Ethers | 2.49 | 2.49 | - |
| Hydroquinone | 0.006 | 0.006 | - |
| Methanol | 2.46 | 2.46 | - |
| Methyl Methacrylate | 0.01 | 0.01 | - |
| Styrene | 0.03 | 0.03 | - |
| Toluene | 0.05 | 0.05 | - |
| Triethylamine | 0.15 | 0.15 | - |
| Vinyl Acetate | 1.17 | 1.17 | - |

Non-VOC TAP:

| | | | |
|---------|--------|--------|---|
| Lead | <0.001 | <0.001 | - |
| Ammonia | 1.32 | 1.32 | - |

Other VOC (TPY):

36.13

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Bogalusa Box Plant
Agency Interest No.: 9878
TIN Inc., dba Temple-Inland
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V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on date; and in *The Daily News*, Bogalusa, on date. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on date. The draft permit was also submitted to US EPA Region VI on date. All comments will be considered prior to final decision.

VII. Effects on Ambient Air

Emissions associate with the proposed renewal were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

VIII. General Condition XVII Activities

| Work Activity | Schedule | PM ₁₀ | Emission Rates - tons | | | |
|--|-----------|------------------|-----------------------|-----------------|-----|------|
| | | | SO ₂ | NO _x | CO | VOC |
| Boiler Startup and Shutdown Operations | 260 hr/yr | <0.1 | <0.1 | 0.2 | 0.4 | <0.1 |

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Bogalusa Box Plant
Agency Interest No.: 9878
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IX. Insignificant Activities

| Description | Citation |
|---|-------------------------|
| One 55 gallon defoamer storage container | LAC 33:III.501.B.5.A.2. |
| One 55 gallon oil storage container | LAC 33:III.501.B.5.A.2. |
| One 55 gallon used oil storage container | LAC 33:III.501.B.5.A.2 |
| One 35 gallon solvent degreaser storage container | LAC 33:III.501.B.5.A.2 |
| Four 1-5 gallon defoamer containers | LAC 33:III.501.B.5.A.2 |
| Three 1-5 gallon extender containers | LAC 33:III.501.B.5.A.2 |
| Three 1-5 gallon die sealer containers | LAC 33:III.501.B.5.A.2 |
| One 105 gallon corrosion inhibitor container | LAC 33:III.501.B.5.A.2 |
| One 50 gallon rust inhibitor | LAC 33:III.501.B.5.A.2 |
| One 105 gallon oxygen scavenger | LAC 33:III.501.B.5.A.2 |
| Four 2,000 gallon starch tanks | LAC 33:III.501.B.5.A.3 |
| One 300 gallon resin tank | LAC 33:III.501.B.5.A.3 |
| One 300 gallon starch additive tank | LAC 33:III.501.B.5.A.4 |
| One 5 gallon pH adjuster tank | LAC 33:III.501.B.5.A.4 |
| One 2,200 gallon caustic tank | LAC 33:III.501.B.5.A.10 |
| Use of aerosol can spray cleaners | LAC 33:III.501.B.5.D |
| Two 660 gallon mixing tanks | LAC 33:III.501.B.5.D |

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Temple-Inland - Bogalusa Box Plant
 Agency Interest No.: 9878
 TIN Inc. dba Temple-Inland
 Bogalusa, Washington Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | LAC 33:III Chapter | | | | | | | | | | | | | |
|---------|--|--------------------|---|----|----|----|------|-------|------|------|------|------|------|----|----|
| | | 5 [▲] | 9 | 11 | 13 | 15 | 2103 | 2104* | 2107 | 2111 | 2113 | 2115 | 2116 | 22 | 29 |
| 70 | UNF 1 - Bogalusa Box Plant | 1 | 1 | | | | | | | | 1 | | | 1 | 1 |
| 72 | EQT 1 - Primary Boiler | | | 1 | 1 | 3 | | | | | | | | | 2 |
| 73 | EQT 2 - Corrugated Paper Scrap Cyclone | | | | 1 | | | | | | | | | | |
| 74 | EQT 3 - Fiberboard Paper Scrap Cyclone | | | | 1 | | | | | | | | | | |
| 75 | EQT 4 - Miscellaneous Roof Vents | | | | | | | | | | | | | | 1 |
| 76 | EQT 5 - Starch Silo Cartridge | | | | 1 | | | | | | | | | | |
| | EQT 6 - Space Heaters | | | 1 | 1 | 3 | | | | | | | | | 2 |

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Temple-Inland - Bogalusa Box Plant
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 TIN Inc. dba Temple-Inland
 Bogalusa, Washington Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | 40 CFR 61 | | | 40 CFR 63 NESHAP | | | | 40 CFR | | |
|---------|--|----------------|---|----|----|----|----|-----|-----------|---|---|------------------|----|----|------|--------|----|----|
| | | A | D | Da | Db | Dc | GG | KKK | A | J | V | A | HH | KK | DDDD | 52 | 64 | 68 |
| | UNF 1 - Bogalusa Box Plant | 1 | | | | | | | | | | 1 | | | | | | 3 |
| 70 | EQT 1 - Primary Boiler | | 3 | 3 | 3 | 1 | | | | | | | | | | | | |
| 72 | EQT 2 - Corrugated Paper Scrap Cyclone | | | | | | | | | | | | | | | | 2 | |
| 73 | EQT 3 - Fiberboard Paper Scrap Cyclone | | | | | | | | | | | | | | | | 2 | |
| 74 | EQT 4 - Miscellaneous Roof Vents | | | | | | | | | | | | | 1 | | | | |
| 75 | EQT 5 - Starch Silo Cartridge | | | | | | | | | | | | | | | | | |
| 76 | EQT 6 - Space Heaters | | | | | | | | | | | | | | | | | |

KEY TO MATRIX

- The regulations have applicable requirements that apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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Temple-Inland - Bogalusa Box Plant
 Agency Interest No.: 9878
 TIN Inc. dba Temple-Inland
 Bogalusa, Washington Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

| ID No: | Requirement | Notes |
|--|--|--|
| Bogalusa Box Plant | Chemical Accident Prevention and Minimization of Consequences (LAC 33:III.Chapter 59) | Does Not Apply. Does not store any 112(r) pollutants above the threshold quantities. Shall register if a regulated substance exceeds the threshold quantity. |
| 70 Primary Boiler (B-1) | NSPS Subpart D- Standards of Performance for Fossil-Fuel-Fired Steam Generators (40 CFR 60) | Does Not Apply. Heat input rate is less than 250 million BTU per hour. |
| | NSPS Subpart Da- Standards of Performance for Electric Utility Steam Generating Units (40 CFR 60) | Does Not Apply. Not an electric utility, steam generating unit. |
| | NSPS Subpart Db- Standard of Performance for Industrial-Commercial-Institutional Steam Generating Units. (40 CFR 60) | Does Not Apply. Heat input rate is not more than 100 million BTU per hour. |
| | Emission Standards for Sulfur Dioxide (LAC 33:III.Chapter 15) | Does not apply. Emissions < 5 tpy |
| 72 & 73 Corrugated Paper Scrap Cyclone | Comprehensive Toxic Air Pollutant Emission Control Program (LAC 33:III.Chapter 51) State Only. | Exempt. Source combusts Group 1 virgin fossil fuels only and is therefore exempt as per LAC 33:III.5105.B.3 a. |
| | Compliance Assurance Monitoring (40 CFR 64) | Exempt. Cyclones are for product recovery and are therefore exempt. |
| 76 Space | Emission Standards for Sulfur Dioxide (LAC 33:III.Chapter 15) | Does not apply. Emissions < 5 tpy |

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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 Agency Interest No.: 9878
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| XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source | | | |
|--|--|--|--|
| ID No: | Requirement | | Notes |
| Heaters | Comprehensive Toxic Air Pollutant Emission Control Program (LAC 33:III.Chapter 51) State Only. | | Exempt. Source combusts Group 1 only virgin fossil fuels and is therefore exempt as per LAC 33:III.5105.B.3.a. |
| 74 Miscellaneous Roof Vents | Waste Gas Disposal (LAC 33:III.Ch.21) | | Exempt per LAC 33:III.2115.H.1.c) VOC<100lb/24hr. Maintain records to verify compliance/exemption. |

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

40 CFR PART 70 GENERAL CONDITIONS

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
5. changes in emissions would not qualify as a significant modification; and
6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

40 CFR PART 70 GENERAL CONDITIONS

- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated August 25, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

LOUISIANA AIR EMISSION PERMIT
-----GENERAL CONDITIONS-----

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown, [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 9878 Temple-Inland Inc - Bogalusa Box Plant
Activity Number: PER20080002
Permit Number: 2465-V5
Air - Title V Regular Permit Renewal

| Also Known As: | ID | Name | User Group | Start Date |
|----------------|--------------|---|------------------------------|------------|
| | 3060-00021 | Temple-Inland Inc - Bogalusa Box Plant | CDS Number | 05-27-1993 |
| | LAR000046656 | Gaylord Container Corp | Hazardous Waste Notification | 09-05-2001 |
| | GD-117-0796 | SW Generator ID # | Solid Waste Facility No. | 05-01-2001 |
| | 20106 | Gaylord Container Corp | TEMPO Merge | 01-08-2002 |
| | 66328 | Gaylord Container - Container Box Plant | TEMPO Merge | 05-30-2001 |

Physical Location: 501 Avenue U Bogalusa, LA 70427 Main FAX: 9857351365 Main Phone: 9857328818

Mailing Address: PO Box 1060 Bogalusa, LA 704291060

Location of Front Gate: 30° 46' 53" 11 hundredths latitude, 89° 51' 26" 57 hundredths longitude, Coordinate Method: Lat./Long. - DMS, Coordinate Datum: NAD83

| Related People: | Name | Mailing Address | Phone (Type) | Relationship |
|-----------------|-------------|---------------------------------|-------------------|--------------------------------|
| | Mike Cannon | 501 Avenue U Bogalusa, LA 70427 | mikecannon@templk | Responsible Official for |
| | Mike Cannon | 501 Avenue U Bogalusa, LA 70427 | mikecannon@templk | Haz. Waste Billing Party for |
| | Mike Cannon | 501 Avenue U Bogalusa, LA 70427 | mikecannon@templk | Emission Inventory Contact for |

| Related Organizations: | Name | Address | Phone (Type) | Relationship |
|------------------------|---------------------------|-----------------------------------|-----------------|----------------------------------|
| | Gaylord Container Corp | PO Box 850 Bogalusa, LA 704290850 | | Formerly owned |
| | TIN Inc dba Temple-Inland | 501 Avenue U Bogalusa, LA 70427 | 9857328818 (WP) | Emission Inventory Billing Party |
| | TIN Inc dba Temple-Inland | 501 Avenue U Bogalusa, LA 70427 | 9857328818 (WP) | Air Billing Party for |
| | TIN Inc dba Temple-Inland | 501 Avenue U Bogalusa, LA 70427 | 9857328818 (WP) | Solid Waste Billing Party for |
| | TIN Inc dba Temple-Inland | 501 Avenue U Bogalusa, LA 70427 | 9857328818 (WP) | Operates |
| | TIN Inc dba Temple-Inland | 501 Avenue U Bogalusa, LA 70427 | 9857328818 (WP) | Owns |

NAIC Codes: 32221, Paperboard Container Manufacturing

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 9878 - Temple-Inland Inc - Bogalusa Box Plant
 Activity Number: PER20080002
 Permit Number: 2465-V5
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

| ID | Description | Tank Volume | Max. Operating Rate | Normal Operating Rate | Contents | Operating Time |
|---------------------------|--|-------------|----------------------|-----------------------|-------------|----------------|
| Bogalusa Box Plant | | | | | | |
| EQT 0001 | 70 - Primary Boiler (B-1) | | 41.19 MM BTU/hr | 41.19 MM BTU/hr | Natural Gas | 8760 hr/yr |
| EQT 0002 | 72 - Corrugated Paper Scrap Cyclone (CY-1) | | 100000 SCFM | 100000 SCFM | | 8760 hr/yr |
| EQT 0003 | 73 - Fiberboard Paper Scrap Cyclone (CY-2) | | 50000 SCFM | 50000 SCFM | | 8760 hr/yr |
| EQT 0004 | 74 - Miscellaneous Roof Vents | | 600000 SCFM | 600000 SCFM | | 8760 hr/yr |
| EQT 0005 | 75 - Starch Silo Catridge (S-1) | | 1014.9 (other units) | 1014.9 (other units) | DSCFM | 8760 hr/yr |
| EQT 0006 | 76 - Space Heaters (9 @ 2MM Btu/hr each) | | 18.36 MM BTU/hr | 18.36 MM BTU/hr | | 8760 hr/yr |

Stack Information:

| ID | Description | Velocity (ft/sec) | Flow Rate (cubic ft/min-actual) | Diameter (feet) | Discharge Area (square feet) | Height (feet) | Temperature (oF) |
|---------------------------|--|-------------------|---------------------------------|-----------------|------------------------------|---------------|------------------|
| Bogalusa Box Plant | | | | | | | |
| EQT 0001 | 70 - Primary Boiler (B-1) | 50 | 11095 | 2.17 | | 40 | 500 |
| EQT 0002 | 72 - Corrugated Paper Scrap Cyclone (CY-1) | 10.1 | 100000 | 14.5 | | 73 | 80 |
| EQT 0003 | 73 - Fiberboard Paper Scrap Cyclone (CY-2) | 9.3 | 50000 | 10.7 | | 68 | 80 |
| EQT 0004 | 74 - Miscellaneous Roof Vents | | | | | 30 | 80 |
| EQT 0005 | 75 - Starch Silo Catridge (S-1) | | 1014.9 | .67 | | 80 | 80 |
| EQT 0006 | 76 - Space Heaters (9 @ 2MM Btu/hr each) | 17.28 | | | | 30 | 80 |

Relationships:

Subject Item Groups:

| ID | Group Type | Group Description |
|----------|-----------------------|----------------------|
| UNF 0001 | Unit or Facility Wide | - Bogalusa Box Plant |

Group Membership:

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

| Fee Number | Air Contaminant Source | Multiplier | Units Of Measure |
|------------|---|------------|------------------|
| 0380 | 0380 Corrugated Boxes - Converters (with Boilers) | | |
| 0381 | 0381 Corrugated Boxes - Sheet Plant | | |

SIC Codes:

| | | |
|------|----------------------------------|---------|
| 2653 | Corrugated and solid fiber boxes | AI 9878 |
|------|----------------------------------|---------|

INVENTORIES

AI ID: 9878 - Temple-Inland Inc - Bogalusa Box Plant

Activity Number: PER20080002

Permit Number: 2465-V5

Air - Title V Regular Permit Renewal

SIC Codes:

| | | |
|------|----------------------------------|---------|
| 2653 | Corrugated and solid fiber boxes | UNF 001 |
|------|----------------------------------|---------|

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 9878 - Temple-Inland Inc - Bogalusa Box Plant

Activity Number: PER20080002

Permit Number: 2465-V5

Air - Title V Regular Permit Renewal

| Subject Item | CO | | | NOx | | | PM10 | | | SO2 | | | VOC | | |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| Bogalusa Box Plant | | | | | | | | | | | | | | | |
| EQT 0001 | 3.39 | 3.39 | 14.86 | 1.29 | 1.29 | 5.66 | 0.31 | 0.31 | 1.34 | 0.02 | 0.02 | 0.11 | 0.22 | 0.22 | 0.97 |
| EQT 0002 | | | | | | | 3.45 | 8.87 | 15.10 | | | | | | |
| EQT 0003 | | | | | | | 1.72 | 4.43 | 7.55 | | | | | | |
| EQT 0004 | | | | | | | | | | | | | 9.50 | 19.00 | 55.20 |
| EQT 0005 | | | | | | | 0.12 | 0.18 | 0.51 | | | | | | |
| EQT 0006 | 1.51 | 1.51 | 6.62 | 0.50 | 0.50 | 2.17 | 0.14 | 0.14 | 0.60 | 0.01 | 0.01 | 0.05 | 0.10 | 0.10 | 0.43 |

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

EQT 0004 VOC Tons/Year Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if total VOC exceeds the maximum listed in this specific condition for any twelve consecutive month period Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9878 - Temple-Inland Inc - Bogalusa Box Plant

Activity Number: PER20080002

Permit Number: 2465-V5

Air - Title V Regular Permit Renewal

| Emission Pt. | Pollutant | Avg lb/hr | Max lb/hr | Tons/Year |
|----------------|----------------------------|-----------|-----------|-----------|
| EQT 0001 70 | Lead compounds | <0.001 | <0.001 | <0.001 |
| EQT 0004 74 | Acetaldehyde | 0.08 | 0.16 | 0.34 |
| | Acrylic acid | 0.005 | 0.01 | 0.02 |
| | Ammonia | 0.30 | 0.60 | 1.32 |
| | Ethyl Acrylate | 0.003 | 0.005 | 0.01 |
| | Formaldehyde | 0.21 | 0.42 | 0.93 |
| | Glycol ethers (Table 51.1) | 0.57 | 1.14 | 2.49 |
| | Hydroquinone | 0.001 | 0.003 | 0.006 |
| | Methanol | 0.56 | 1.12 | 2.46 |
| | Methyl methacrylate | 0.003 | 0.005 | 0.013 |
| | Styrene | 0.01 | 0.01 | 0.03 |
| | Toluene | 0.01 | 0.02 | 0.05 |
| | Triethyl amine | 0.03 | 0.07 | 0.15 |
| | Vinyl acetate | 0.27 | 0.53 | 1.17 |
| EQT 0006 76 | Lead compounds | <0.001 | <0.001 | <0.001 |
| UNF 0001 | Acetaldehyde | | | 0.34 |
| | Acrylic acid | | | 0.02 |
| | Ammonia | | | 1.32 |
| | Ethyl Acrylate | | | 0.01 |
| | Formaldehyde | | | 0.93 |
| | Glycol ethers (Table 51.1) | | | 2.49 |
| | Hydroquinone | | | 0.006 |
| | Lead compounds | | | <0.001 |
| | Methanol | | | 2.46 |
| | Methyl methacrylate | | | 0.01 |
| | Styrene | | | 0.03 |
| | Toluene | | | 0.05 |
| | Triethyl amine | | | 0.15 |
| | Vinyl acetate | | | 1.17 |

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 9878 - Temple-Inland Inc - Bogalusa Box Plant

Activity Number: PER20080002

Permit Number: 2465-V5

Air - Title V Regular Permit Renewal

EQT 0001 70 - Primary Boiler (B-1)

- 1 [40 CFR 60.48c.a] Submit notification: Due as specified in 40 CFR 60.7. Submit the date of construction or reconstruction, anticipated startup, and actual startup. Include the information specified in 40 CFR 60.48c(a)(1) through (a)(4) as applicable. Subpart Dc. [40 CFR 60.48c(a)]
- 2 [40 CFR 60.48c.g] Fuel rate recordkeeping by electronic or hard copy daily. Keep records of the amount of each fuel combusted during each day. Subpart Dc. [40 CFR 60.48c(g)]
- 3 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
- 4 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: None specified

EQT 0002 72 - Corrugated Paper Scrap Cyclone (CY-1)

- 5 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average
Cyclone vents: Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Perform maintenance as necessary.
Which Months: All Year Statistical Basis: None specified
Cyclone vents: Visible emissions recordkeeping by electronic or hard copy daily.
- 6 [LAC 33:III.507.H.1.a] Cyclone vents: Visible emissions monitored by visual inspection/determination daily.
Which Months: All Year Statistical Basis: None specified
Cyclone vents: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 7 [LAC 33:III.507.H.1.a]
- 8 [LAC 33:III.507.H.1.a]
- 9 [LAC 33:III.507.H.1.a]

EQT 0003 73 - Fiberboard Paper Scrap Cyclone (CY-2)

- 10 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average
Cyclone vents: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 11 [LAC 33:III.507.H.1.a] Cyclone vents: Visible emissions recordkeeping by electronic or hard copy daily.
- 12 [LAC 33:III.507.H.1.a] Cyclone vents: Visible emissions monitored by visual inspection/determination daily.
- 13 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 9878 - Temple-Inland Inc - Bogalusa Box Plant

Activity Number: PER20080002

Permit Number: 2465-V5

Air - Title V Regular Permit Renewal

EQT 0003 73 - Fiberboard Paper Scrap Cyclone (CY-2)

14 [LAC 33:III.507.H.1.a]

Cyclone vents: Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Perform maintenance as necessary.

Which Months: All Year Statistical Basis: None specified

EQT 0004 74 - Miscellaneous Roof Vents

15 [40 CFR 63.825.b.4]

Demonstrate that the monthly average as-applied organic HAP content of all materials applied is less than 0.04 kg HAP per kg of material applied, as determined by Equation 6 of 63.825. [40 CFR 63.825(b)(4)]

16 [40 CFR 63.827.b]

Determination of the organic HAP content of inks, coatings, varnishes, adhesives, primers, solvents, thinners, reducers, diluents, and other materials for the purpose of meeting the requirements of 63.825 shall be conducted according to 63.827(b)(2). [40 CFR 63.827(b)]

17 [40 CFR 63.829.b]

Maintain the following records on a monthly basis in accordance with the requirements of 63.10(b)(1): all measurements needed to demonstrate compliance with this standard, such as material usage and HAP usage, that support data that the source is required to report. [40 CFR 63.829(b)]

18 [40 CFR 63.830.b.6]

Submit to the Administrator the summary report specified in 63.10(e)(3) on a semi-annual basis (i.e., once every six-month period). The summary report shall include exceedances of the standards in 63.825. [40 CFR 63.830(b)(6)]

19 [40 CFR 63.830.b]

Submit to the Administrator the initial notification required in 63.9(b) and the Notification of Compliance Status specified in 63.9(h). [40 CFR 63.830(b)]

20 [LAC 33:III.507.G.2]

Equipment collectively permitted under Emission Point No. 74 (Miscellaneous Roof Vents) will be allowed to transfer and replace equipment, including but not limited to laminators, gluers, die-cutters, etc., to meet product demands provided: ☐

a.) The change will not violate any applicable requirement. ☐

b.) The change will not result in an exceedance of emissions allowable under the permit, whether expressed therein as a rate of emissions or in terms of total emissions. ☐

c.) The change will not contravene any testing, monitoring, recordkeeping, reporting, or compliance certification requirements of the existing permit. ☐

d.) The change will not constitute a Title I Modification as defined in LAC 33:III.502.]

e.) At least seven days prior to making the change, the owner or operator will provide notice to the administrator and to the permitting authority which shall include a description of the change, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change. The source shall attach the written notice to its copy of the permit.

21 [LAC 33:III.507.H.1.a]

VOC, Total Submit report: Due annually, by the 31st of March. Report the total VOC for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

VOC, Total recordkeeping by electronic or hard copy monthly. Keep records of the total VOC, total each month, as well as the total VOC, total for the last twelve months. Make records available for inspection by DEQ personnel.

VOC, Total monitored by technically sound method continuously.

Which Months: All Year Statistical Basis: None specified

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

Compliance with 40 CFR 63 Subpart KK is MACT.

24 [LAC 33:III.5109.A]

EQT 0005 75 - Starch Silo Catridge (S-1)

SPECIFIC REQUIREMENTS

AI ID: 9878 - Temple-Inland Inc - Bogalusa Box Plant

Activity Number: PER20080002

Permit Number: 2465-V5

Air - Title V Regular Permit Renewal

EQT 0005 75 - Starch Silo Catridge (S-1)

- 25 [LAC 33:III.1311.C] Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average
- 26 [LAC 33:III.501.C.6] Particulate matter (10 microns or less) \geq 90 % removal efficiency from filter manufacturer's certification.
Which Months: All Year Statistical Basis: None specified
- 27 [LAC 33:III.507.H.1.a] Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
Which Months: All Year Statistical Basis: None specified
- 28 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
Which Months: All Year Statistical Basis: None specified
- 29 [LAC 33:III.507.H.1.a] Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 30 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT 0006 76 - Space Heaters (9 @ 2MM Btu/hr each)

- 31 [LAC 33:III.1101.B] Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
- 32 [LAC 33:III.1313.C] Total suspended particulate \leq 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified

UNF 0001 - Bogalusa Box Plant

- 33 [40 CFR 63] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 1 of 40 CFR 63 Subpart KK.
- 34 [LAC 33:III.5105.A.1] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III Chapter 51.Subchapter A, after the effective date of the standard.
- 35 [LAC 33:III.5105.A.2] Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109 B.
- 36 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 37 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.

SPECIFIC REQUIREMENTS

AI ID: 9878 - Temple-Inland Inc - Bogalusa Box Plant

Activity Number: PER20080002

Permit Number: 2465-V5

Air - Title V Regular Permit Renewal

UNF 0001 - Bogalusa Box Plant

- 38 [LAC 33:III.5107.A.2] Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- 39 [LAC 33:III.5107.A] Submit Annual Emissions Report (TED): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 40 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6395 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 41 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.
- 42 [LAC 33:III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931.
- 43 [LAC 33:III.5107.B.4] Submit notification in the manner provided in LAC 33:III.3923.
- 44 [LAC 33:III.5107.B.5] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
- 45 [LAC 33:III.5109.C] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 46 [LAC 33:III.5113.A.1] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- 47 [LAC 33:III.5113.A.2] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 48 [LAC 33:III.5113.A.3] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.

Tegan Treadaway

From: Franklin, Mike [MikeFranklin@templeinland.com]
Sent: Friday, November 07, 2008 6:18 AM
To: Tegan Treadaway
Cc: MikeCannon@templeinland.com; Trinity Consultants Baton Rouge
Subject: Temple-Inland - Bogalusa Box Plant (AI: 9878; TEMPO Activity No. PER20080002) Draft Title V Permit Comments
Attachments: 08-11-05 Worksheet for Technical Review of Working Draft Permit (3).doc

Ms. Treadaway,

Thank you for getting this permit written in a very timely manner to enable us to get back to operating under a Title V permit rather than a Compliance Order. Also, thank you for the opportunity to make comments prior to the Public Notice.

We are satisfied with all permit conditions but have a few corrections dealing strictly with the representation (name) of the facility/company and relative to contact personnel. Those changes are represented in the attached spreadsheet.

Once again, thank you for this opportunity.

Mike Franklin
Business Unit Environmental Manager
Temple-Inland
2487 Titans Lane
Brentwood, TN 37027

615.776.1130
317.319.3483 (Cell 1)
615.517.8134 (Cell 2)
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